Index to Volume 40

Authors and Titles

Adams, M.A. See Grierson, P.F. 631 Adkins, S.W.—

Cereal callus cultures: control of headspace gases can optimise the condition for callus proliferation 737

See also Taylor, P.W.J. 863

Andrews, T.J. See Morell, M.K. 431

Armstrong, D.D. See Leishman, M.R. 599

Ash, J.E. See Barrett, D.J. 13

Atkin, O.K., and Collier, D.E.-

Relationship between soil nitrogen and floristic variation in late snow areas of the Kosciusko alpine region 139

Attiwill, P.M. See Grierson, P.F. 631

Auld, T.D., and Morrison, D.A .-

Genetic determination of erect and prostrate growth habit in five shrubs from windswept headlands in the Sydney region 1

Austin, M.P.-

Modelling the environmental niche of plants; implications for plant community response to elevated CO₂ levels 615 Aygalent, C. See Joly, H.I. 59

Badger, M .-

Manipulating agricultural plants for a future high CO₂ environment 421

Ball, M.C., and Munns, R .-

Plant responses to salinity under elevated atmospheric concentrations of CO₂ 515

Barrett, D.J., and Ash, J.E .-

Growth and carbon partitioning in rainforest and eucalypt forest species of south coastal New South Wales, Australia 13

Bazzaz, F.A., and McConnaughay, K.D.M.— Plant-plant interations in elevated CO₂ environments 547

Bedward, M. See Bradstock, R.A. 75 Bell, J.C. See Butcher, P.A. 365

Bennett, A.J.R.-

Determination of fire-residence time, and its role in the survival of eucalypts after a bushfire 49

Bowman, D.M.J.S .-

Monsoon forests in north-western Australia.II. Forest-savanna traditions 89 See also Fensham, R.J. 335 Bradstock, R.A., and Bedward, M.—
Simulation of the effect of season of fire on
post-fire seedling emergence of two
Banksia species based on long-term
rainfall records 75

Brooker, M.I.H. See Gill, A.M. 103 Burrows, D.M., and Burrows, W.H.—

Seed production and litter fall in some eucalypt communities in central Queensland 389

Burrows, W.H. See Burrows, D.M. 389
Butcher, P.A., Bell, J.C., and Moran, G.F.—
Patterns of genetic diversity and nature of
the breeding system in Melaleuca
alternifolia (Myrtaceae) 365

Chin Wong, S., Kriedemann, P.E., and Farquhar, G.D.—

CO₂ x nitrogen interaction on seedling growth of four species of eucalypt 457 See also Poorter, H. 501

Collier, D.E. See Atkin, O.K. 139

Comins, H.N. See McMurtrie, R.E. 657

Conroy, J.P .-

Influence of elevated atmospheric CO₂ concentrations on plant nutrition 445

Considine, J. See Tyagi, A. 151 Crombie, D.S.—

Root depth, leaf area and daytime water relations of jarrah (*Eucalyptus marginata*) forest overstorey and understorey during summer drought 113

Danthu, P. See Joly, H.I. 59

Darvey, N.L. See Luckett, D.J. 807

Dawes, W.R. See Hatton, T.J. 679

Dawson, I.A. See King, R.W. 377 Denmead, O.T. See Raupach, M.R. 697

Dixon, K.W. See Touchell, D.H. 305

Dodd, W.A. See Hamill, S.D. 887

Drake, B.G.—

A field study of the effects of elevated CO₂ on ecosystem processes in a Chesapeake Bay wetland 579

Dunin, F.X. See Hatton, T.J. 679; Raupach, M.R. 697

Ellis, M.F., and Sedgley, M .-

Floral morphology and breeding sytem of three species of *Eucalyptus*, section *Bisectaria* (Myrtaceae) 249

- Farquhar, G.D. See Chin Wong, S. 457
 Fensham, R.J., and Bowman, D.M.J.S.—
 Stand structure and the influence of
 overwood on regeneration in tropical
 eucalypt forest on Melville Island 335
 Fensham, R.J., and Kirkpatrick, J.B.—
- Fensham, R.J., and Kirkpatrick, J.B.— The eucalypt forest-grassland/grassy woodland boundary in central Tasmania 123
 - Soil characteristics and tree species distribution in the savannah of Melville Island, Northern Territory 311
- Ferguson, L.R. See Harris, P.J. 207
- Fernando, E.S., and Quinn, C.J.—
 Pericarp anatomy and systematics of the
 Simaroubaceae sensu lato 263
- Ford-Lloyd, B.V. See godwin, I.D. 751 French, K. See Leishman, M.R. 599 Furby, J.H. See McGee, P.A. 291
- Gifford, R.M.-
 - Implications of the globally increasing atmospheric CO₂ concentration and temperature for the Australian terrestrial carbon budget: integration using a simple model 527
 - See also Poorter, H. 501
- Gill, A.M., Brooker, M.I.H., and Moore, P.H.R.— Seed weights and numbers as a function of fruit size and subgenus in some Eucalyptus species from south-western Australia 103
- Godwin, I.D., Ford-Lloyd, B.V., and Newbury, H.J.—
 - In vitro approaches to extending the hostrange of Agrobacterium for plant transformation 751
- Graham, M.W. See Hutchinson, J.F. 765
 Grierson, P.F., Adams, M.A., and Attiwill, P.M.—
 Estimates of carbon storage in the aboveground biomass of Victoria's forests 631
 Griffin, A.R. See Sedgley, M. 37
- Hamill, S.D., Smith, M.K., and Dodd, W.A.— In vitro induction of banana autotetraploids by colchicine treatment of micropropagated diploids 887
- Harbard, J. See Sedgley, M. 37
 Harris, P.J., Ferguson, L.R., Roberton, A.M.,
 McKenzie, R.J., and White, (the late) J.B.—
 Cell-wall histochemistry and anatomy of
- taro (Colocasia esculenta) 207 Hatton, T.J., Walker, J., Dawes, W.R., and Dunin, F.X.—
 - Simulations of hydroecological responses to elevated CO₂ at the catchment scale 679

- Hughes, L. See Leishman, M.R. 599 Hutchinson, J.F., Kaul, V., Maheswaran, G., Moran, J.R., Graham, M.W., and Richards, D.—
 - Genetic improvement of floricultural crops using biotechnology 765
- James, S.H. See Rye B.L. 829 Joly, H.I., Zeh-Nlo, M., Danthu, P., and Aygalent, C.—
 - Population genetics of an African acacia Acacia albida. I. Genetic diversity of populations from west Africa 59
- Kane, H.J. See Morell, M.K. 431 Karlsson, P.S., and Pate, J.S.—
 - Resource allocation to asexual gemma production in south-western Australian pygmy and micro stilt-form species of sundew (*Drosera* spp., Droseraceae) 353
- Kaul, V. See Hutchinson, J.F. 765
- King, R.W., Dawson, I.A., and Speer, S.S.— Control of growth and flowering in two Western Australian species of *Pimelea 377*
- Kirkpatrick, J.B. See Fensham, R.J. 123, 311 Kirschbaum, M.U.F. See McMurtrie, R.E. 657
- Ko, H.-L. See Taylor, P.W.J. 863
 Kriedemann, P.E. See Chin Wong, S. 457;
 Poorter, H. 501
- Lamont, B.B. See Witkowski, E.T.F. 849
- Landsberg, J., and Stafford Smith, M.—
 A functional scheme for predicting the outbreak potential of herbivorous insects
- under global atmospheric change 565 Leishman, M.R., Hughes, L., French, K., Armstrong, D., and Westoby, M.—
 - Seed and seedling biology in relation to modelling vegetation dynamics under global climate change 599
- Lim, A.L. See Prakash, N. 377
- Lloyd, J. See Taylor, J.A. 407
- Luckett, D.J., and Darvey, N.L.—
 Utilisation of microspore culture in wheat
 and barley improvement 807
- Maheswaran, G. See Hutchinson, J.F. 765 Martin, P.---
 - EXE: a climatically sensitive model to study climate change and CO₂ enhancement effects on forests 717
- Masle, J.-
 - Will plant performance on soils prone to drought or with high mechanical impedance to root penetration be improved under elevated atmospheric CO₂ concentration? 491

McComb, J. See Tyagi, A. 151 McConnaughay, K.D.M. See Bazzaz, F.A. 547 McGee, P.A., and Furby, J.H.—

Formation and structure of mycorrhizas of seedlings of coachwood (Ceratopetalum apetalum) 291

McKellar, M.A., and Quesenberry, K.H.— Chromsome pairing and pollen viability in Desmodium ovalifolium x Desmodium heterocarpon (L.) DC. hybrids 243

McKenzie, R.J. See Harris, P.J. 207 McMurtrie, R.E., Comins, H.N., Kirschbaum, M.U.F., and Ying-Ping Wang—

Modifying existing forest growth models to take account of effects of elevated CO₂ 657

Milnes, A.R. See Reddell, P. 223 Moncur, M.W.—

Effect of low temperature on floral induction of Eucalyptus lansdowneana F.Muell. & J. Brown subsp. lansdowneana 157

Moore, P.H.R. See Gill, A.M. 103 Moran, G.F. See Butcher, P.A. 365

Moran, J.R. See Hutchinson, J.F. 765 Morell, M.K., Paul, K., Kane, H.J., and

Andrews, T.J.— Rubisco: maladapted or misunderstood 431 Morrison, D.A. See Auld, T.D. 1 Munns, R. See Ball, M.C. 515

Newbury, H.J. See Godwin, I.D. 751

Pate, J.S. See Karlsson, P.S. 353 Paul, K. See Morell, M.K. 431 Pole, M.—

Cretaceous macrofloras of eastern Otago, New Zealand: angiosperms 169 Polglase, P.J., and Ying-Ping Wang— Potential CO₂-enhanced carbon storage by

the terrestrial biosphere 641
Poorter, N., Gifford, R.M., Kriedemann, P.E.,

and Chin Wong, S.—
A quantitative analysis of dark respiration and carbon content as factors in the growth response of plants to elevated CO₂ 501

Potts, B.M. See Wiltshire, R.J.E. 789
Prakash, J., Lim, A.L., and Sampson, F.B.—
Anther and ovule development in
Tasmannia (Winteraceae) 377

Quesenberry, K.H. See McKellar, M.A. 243 Quinn, C.J. See Fernando, E.S. 263

Radford, S. See Witkowski, E.T.F. 849

Raupach, M.R., Denmead, O.T., and Dunin, F.X.—

Challenges in linking atmospheric CO₂ concentrations to fluxes at local and regional scales 697

Rawson, H.M .-

Plant responses to temperature under conditions of elevated CO₂ 473

Reddell, P., and Milnes, A.R .-

Mycorrhizas and other specialised nutrientacquisition strategies: their occurrence in woodland plants from Kakadu and their role in rehabilitation of waste rock dumps at a local uranium mine 223

Reid, J.B. See Wiltshire, R.J.E. 789 Richards, D. See Hutchinson, J.F. 765 Roberton, A.M. See Harris, P.J. 207 Rye, B.L., and James, S.H.—

The relationship between dysploidy and reproductive capacity in Myrtaceae 829

Sampson, F.B. See Prakash, N. 377
Sedgley, M., Harbard, J., Smith, R-M.M.,
Wickneswari, R., and Griffin, A.R.—
Reproductive biology and interspecific hybridisation of Acacia mangium and Acacia auriculiformis A. Cunn. ex
Benth. (Leguminosae) 37
See also Ellis, M.F. 249

See also Ellis, M.F. 249
Smith, M.K. See Hamill, S.D. 887
Smith, R.-M.M. See Sedgley, M. 37
Speer, S.S. See King, R.W. 377

Stafford Smith, M. See Landsberg, J. 565

Tan, B. See Touchell, D.H. 305 Taylor, J.A., and Lloyd, J.—

Sources and sinks in atmospheric CO₂ 407
Taylor, P.W.J., Ko, H.-L., and Adkins, S.W.—
Factors affecting protoplast isolation and the regeneration of shoot-like structures from protoplast-derived callus of sugarcane (Saccharum spp. hybrids) 863

Touchell, D.H., Dixon, K.W., and Tan, B.—
Cryopreservation of shoot-tips of
Grevillea scapigera (Proteaceae): a rare
and endangered plant from Western
Australia 305

Tyagi, A., Considine, J., and McComb, J.— Germination of Verticordia pollen after storage at different temperatures 151

Walker, J. See Hatton, T.J. 679 Walton, C.S. See Witkowski, E.T.F. 849 Westoby, M. See Leishman, M.R. 599 White, (the late) J.B. See Harris, P.J. 207 Wickneswari, R. See Sedgley, M. 37 Wiltshire, R.J.E., Potts, B.M., and Reid, J.B.— A paedomorphocline in *Eucalyptus*. II. Variation in seedling morphology in the *E. risdonii/E. tenuiramis* complex 789

Witkowski, E.T.F., Lamont, B.B., Walton, C.S., and Radford, S.—

Leaf demography, sclerophylly and ecophysiology of two banksias with contrasting leaf life spans 849 Yates, D.J.—

Short-term changes in spectral properties of phyllodes of brigalow (*Acacia harpophylla* F. Muell. ex Benth.) in response to wetting 27

Ying-Ping Wang. See Polglase, P.J. 641; McMurtrie, R.E. 657

Zeh-Nlo, M. See Joly, H.I. 59

